



PATENT

ATTORNEY DOCKET NO. 040894-7130

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)

Akira OBUCHI et al.)

Application No. 10/521,774)

Filed: January 21, 2005)

For: HEAT EXCHANGER AND REACTOR)
 AND RADIATION HEATER USING)
 THE SAME)

) Confirmation No.: 2534

) Group Art Unit: 1797

) Examiner: N. Young

Commissioner for Patents
 U.S. Patent and Trademark Office
Mail Stop Amendment
 Alexandria, VA 22314

Sir:

AMENDMENT TRANSMITTAL FORM

1. Transmitted herewith is an Amendment responding to the Office Action dated December 10, 2007.
2. Additional papers enclosed:

- | | |
|-------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <input type="checkbox"/> | Drawings: <input type="checkbox"/> Formal <input type="checkbox"/> Informal (Correction) |
| <input checked="" type="checkbox"/> | Information Disclosure Statement |
| <input checked="" type="checkbox"/> | Form PTO-1449, <u>2</u> references included |
| <input type="checkbox"/> | Citations |
| <input type="checkbox"/> | Declaration of Biological Deposit |
| <input type="checkbox"/> | Submission of "Sequence Listing", computer readable copy and/or amendment pertaining thereto for biotechnology invention containing nucleotide and/or amino acid sequence. |

3. Extension of Time

The proceedings herein are for a patent application and the provisions of 37 C.F.R. § 1.136(a) apply.

☒ Applicant believes that no extension of time is required. However, this conditional petition is being made to provide for the possibility that applicant has inadvertently overlooked the need for a petition and fee for extension of time.

☐ Applicant petitions for an extension of time, the fees for which are set out in 37 C.F.R. § 1.17(a), for the total number of months checked below:

| <u>Total Months Requested</u> | <u>Fee for Extension</u> | <u>[Fee for Small Entity]</u> |
|---------------------------------------|--------------------------|-------------------------------|
| <input type="checkbox"/> one month | \$ 120.00 | \$ 60.00 |
| <input type="checkbox"/> two months | \$ 460.00 | \$ 230.00 |
| <input type="checkbox"/> three months | \$ 1,050.00 | \$ 525.00 |
| <input type="checkbox"/> four months | \$ 1,640.00 | \$ 820.00 |

Extension of time fee due with this request: \$_____

If an additional extension of time is required, please consider this a Petition therefor.

☐ An extension for _____ months has already been secured and the fee paid therefor of \$_____ is deducted from the total fee due for the total months of extension now requested.

4. Constructive Petition

☒ EXCEPT for issue fees payable under 37 C.F.R. § 1.18, the Commissioner is hereby authorized by this paper to charge any additional fees during the entire pendency of this application including fees due under 37 C.F.R. §§ 1.16 and 1.17 which may be required, including any required extension of time fees, or credit any overpayment to Deposit Account 50-0310. This paragraph is intended to be a CONSTRUCTIVE PETITION FOR EXTENSION OF TIME in accordance with 37 C.F.R. § 1.136(a)(3).

5. Fee Calculation (37 C.F.R. §1.16)

| CLAIMS AS AMENDED | | | | | | |
|-------------------------------------------------------|-------------------------------------------|-------|--------------------------------|------------------|---------------|-------------|
| | Claims Remaining After Amendment | | Highest No. Previously Paid | Present Extra | at Rate of | Total Fees |
| Total Claims (37 C.F.R. §1.16(i)) | 23 | minus | 21 | 2 | x \$50 each= | + \$ 100.00 |
| Independent Claims (37 C.F.R. §1.16(h)) | 5 | minus | 5 | 0 | x \$210 each= | + \$ |
| [] First presentation of Multiple dependent claim(s) | | | | | \$370.00 | + \$ |
| SUB-TOTAL = | | | | | | \$ 100.00 |
| Reduction by ½ for filing by a small entity | | | | | | - \$ |
| TOTAL FEE = | | | | | | \$ 100.00 |

6. Fee Payment

- ☐ No fee is to be paid at this time.
- ☒ The Commissioner is hereby authorized to charge the total fee due to Deposit Account 50-0310.
- ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, including fees due under 37 C.F.R. §§ 1.16 and 1.17, or credit any overpayment to Deposit Account 50-0310.

Respectfully submitted,

MORGAN, LEWIS & BOCKIUS LLPBy: Bradford A. Cangro
Reg. No. 58,47803/12/2008 GFREY1 00000070 500310 10521774
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CUSTOMER NO. 09629
MORGAN, LEWIS & BOCKIUS LLP
 1111 Pennsylvania Avenue, N.W.
 Washington, D.C. 20004
 Telephone: (202) 739-3000
 Facsimile: (202) 739-3001